

ABSTRACT OF THE DISCLOSURE

An arc welder comprising: a rectifier circuit 2 which rectifies an alternating current 1 to a direct current; an inverter circuit 3; a transformer 4; a second rectifier circuit 5 which rectifies an output of the transformer 4 to a direct current; and a first reactor 6 which is connected to the second rectifier circuit 5. The arc welder further has a current circuit 10 which is connected in parallel to the second rectifier circuit 5 with a reactance that is larger than the reactance of the first reactor 6.